



PTO/SB/21 (09-04) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/619,702
Filing Date	July 15, 2003
First Named Inventor	Kenneth H. Purser
Art Unit	2881
Examiner Name	Leybourne, James J.
Total Number of Pages in This Submission	7
Attorney Docket Number	527P019

### ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please Identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		
<b>Remarks</b>		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Nields & Lemack		
Signature			
Printed name	Kevin S. Lemack		
Date	November 2, 2004	Reg. No.	32,579

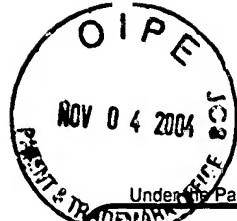
### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	
Typed or printed name	Kevin S. Lemack
Date	November 2, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT	(\$)	180.00
-------------------------	------	--------

## Complete if Known

Application Number	10/619,702
Filing Date	July 15, 2003
First Named Inventor	Kenneth H. Purser
Examiner Name	Leybourne, James J.
Art Unit	2881
Attorney Docket No.	527P019

## METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  Other  None

Deposit Account:

Deposit Account Number	14-0930
Deposit Account Name	Nields & Lemack

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 790	2001 395	Utility filing fee			
1002 350	2002 175	Design filing fee			
1003 550	2003 275	Plant filing fee			
1004 790	2004 395	Reissue filing fee			
1005 160	2005 80	Provisional filing fee			
<b>SUBTOTAL (1) (\$)</b>					

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
			-20** =	X	=
			- 3** =	X	=
					=

Large Entity	Small Entity	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 88	2201 44	Independent claims in excess of 3
1203 300	2203 150	Multiple dependent claim, if not paid
1204 88	2204 44	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
<b>SUBTOTAL (2) (\$)</b>		

\*\*or number previously paid, if greater; For Reissues, see above

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath			
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet			
1053 130	1053 130	Non-English specification			
1812 2,520	1812 2,520	For filing a request for ex parte reexamination			
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action			
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action			
1251 110	2251 55	Extension for reply within first month			
1252 430	2252 215	Extension for reply within second month			
1253 980	2253 490	Extension for reply within third month			
1254 1,530	2254 765	Extension for reply within fourth month			
1255 2,080	2255 1,040	Extension for reply within fifth month			
1401 340	2401 170	Notice of Appeal			
1402 340	2402 170	Filing a brief in support of an appeal			
1403 300	2403 150	Request for oral hearing			
1451 1,510	1451 1,510	Petition to institute a public use proceeding			
1452 110	2452 55	Petition to revive - unavoidable			
1453 1,370	2453 685	Petition to revive - unintentional			
1501 1,370	2501 685	Utility issue fee (or reissue)			
1502 490	2502 245	Design issue fee			
1503 660	2503 330	Plant issue fee			
1460 130	1460 130	Petitions to the Commissioner			
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)			
1806 180	1806 180	Submission of Information Disclosure Stmt		\$180.00	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)			
1809 790	2809 395	Filing a submission after final rejection (37 CFR 1.129(a))			
1810 790	2810 395	For each additional invention to be examined (37 CFR 1.129(b))			
1801 790	2801 395	Request for Continued Examination (RCE)			
1802 900	1802 900	Request for expedited examination of a design application			

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$)** 180.00

(Complete if applicable)

Name (Print/Type)	Kevin S. Lemack	Registration No. (Attorney/Agent)	32,579	Telephone	508-898-1818
Signature		Date	November 2, 2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



File

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Kenneth H. Purser et al.  
Serial No. : 10/619,702  
Filed : July 15, 2003  
For : CONTROLLING THE CHARACTERISTICS OF IMPLANTER  
ION-BEAMS  
Examiner : Leybourne, James J.  
Art Unit : 2881  
Attorney  
Docket No. : 527P019

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

The documents described at pages 3, 4 and 5 of Applicants' specification are listed on the attached form PTO 1449.

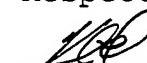
A copy of each of the non-U.S. Patent documents listed on the attached form is filed herewith.

Also enclosed is a check in the amount of \$180.00 in payment of the fee pursuant to 37 C.F.R. §1.17(p).

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 2, 2004

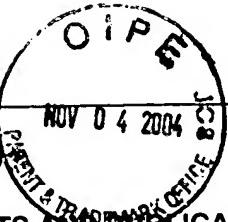
  
Signature: Kevin S. Lemack  
Date: November 2, 2004

Respectfully submitted,

  
Kevin S. Lemack  
Attorney for Applicants  
Registration No. 32,579  
Nields & Lemack  
176 E. Main Street-Suite 7  
Westboro, MA 01581  
TEL: (508) 898-1818

FORM PTO-1449

NOV 04 2004



**LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT**

ATTY. DOCKET NO.	SERIAL NO.
527P019	10/619,702

Kenneth H. Purser et al.

FILING DATE	GROUP
July 15, 2003	2881

**REFERENCE DESIGNATION****U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	3,541,328	11/1970	H.A. Enge	250	41.9	
	AB	5,350,926	9/1994	White et al.	250	492.21	
	AC	5,834,786	11/1998	White et al.	250	492.21	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BA							
	BB							
	BC							

**OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)**

CA		Nuclear Instruments and Methods in Physics Research A258 (1987) pp.437-442; Nicholas R. White et al.; "The Design of Magnets with Nondipole Field Components"
CB		Nuclear Instruments and Methods I36 91976) pp.213-224; H.J. Scheerer et al.; "The Multipole Element of the Q3D Spectrograph for Correction of the Kinematic Broadening"
CC		The Review of Scientific Instruments, Vol. 30, Number 10; L.N. Hand et al.; "Magnetic Quadrupole with Rectangular Aperture".
CD		
CE		
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>
<b>EXAMINER:</b> Initial reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		